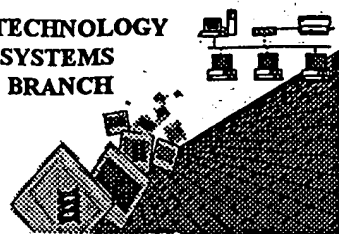


RAW SEQUENCE LISTING **ERROR REPORT**

BIOTECHNOLOGY
SYSTEMS
BRANCH



TECH CENTER 1600/2900

MAR 25 2002

RECEIVED

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/814,558
Source: 1653
Date Processed by STIC: 3/14/02

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER**
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

RECEIVED

MAR 25 2002

TECH CENTER 1600/2900

165

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: 09/814,558
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 <input type="checkbox"/> Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 <input type="checkbox"/> Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 <input type="checkbox"/> Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 <input type="checkbox"/> Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 <input type="checkbox"/> Variable Length	Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 <input type="checkbox"/> PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 <input type="checkbox"/> Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (ii) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 <input type="checkbox"/> Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 <input type="checkbox"/> Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa; and which residue n or Xaa represents.	
10 <input type="checkbox"/> Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 <input checked="" type="checkbox"/> Use of <220>	Sequence(s) <u>AIH</u> missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 <input type="checkbox"/> PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 <input type="checkbox"/> Misuse of n	n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.	



Does Not Comply 1653
Corrected Diskette Needed

RAW SEQUENCE LISTING

DATE: 03/14/2002

PATENT APPLICATION: US/09/814,558

TIME: 14:12:03

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\03142002\I814558.raw

3 <110> APPLICANT: Lazarus, Lawrence H
4 Salvadori, Severo
6 <120> TITLE OF INVENTION: DMT-TIC DI- AND TRI-PEPTIDIC DERIVATIVES AND RELATED
COMPOSITIONS AND
7 METHODS OF USE
9 <130> FILE REFERENCE: 209897
11 <140> CURRENT APPLICATION NUMBER: 09/814,558
12 <141> CURRENT FILING DATE: 2001-03-22
14 <160> NUMBER OF SEQ ID NOS: 9
16 <170> SOFTWARE: PatentIn version 3.1
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 5
20 <212> TYPE: PRT
21 <213> ORGANISM: Artificial Sequence
23 <220> FEATURE:
24 <223> OTHER INFORMATION: Artificial Sequence/Unknown
26 <220> FEATURE:
27 <221> NAME/KEY: misc_feature
28 <222> LOCATION: (2)..(2)
29 <223> OTHER INFORMATION: "Ala" = D-isomer
32 <220> FEATURE:
33 <221> NAME/KEY: misc_feature
34 <222> LOCATION: (4)..(4)
35 <223> OTHER INFORMATION: "Phe" = N-methylphenylalanine
38 <400> SEQUENCE: 1
40 Tyr Ala Gly Phe Gly
41 1 5
44 <210> SEQ ID NO: 2
45 <211> LENGTH: 5
46 <212> TYPE: PRT
47 <213> ORGANISM: Artificial Sequence
49 <220> FEATURE:
50 <223> OTHER INFORMATION: Artificial Sequence/Unknown
52 <220> FEATURE:
53 <221> NAME/KEY: misc_feature
54 <222> LOCATION: (2)..(2)
55 <223> OTHER INFORMATION: "Ala" - D-isomer
58 <220> FEATURE:
59 <221> NAME/KEY: misc_feature
60 <222> LOCATION: (4)..(4)
61 <223> OTHER INFORMATION: "Phe" - D-isomer
64 <400> SEQUENCE: 2
66 Tyr Ala Gly Phe Met
67 1 5

unacceptable
- must explain genetic source
see error summary sheet, item 11

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/814,558

DATE: 03/14/2002

TIME: 14:12:03

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\03142002\I814558.raw

70 <210> SEQ ID NO: 3
71 <211> LENGTH: 7
72 <212> TYPE: PRT
73 <213> ORGANISM: Artificial Sequence
75 <220> FEATURE:
76 <223> OTHER INFORMATION: Artificial Sequence/Unknown
78 <220> FEATURE:
79 <221> NAME/KEY: misc_feature
80 <222> LOCATION: (2)..(2)
81 <223> OTHER INFORMATION: "Ala" = D-isomer
84 <400> SEQUENCE: 3
86 Tyr Ala Phe Glu Val Val Gly
87 1 5
90 <210> SEQ ID NO: 4
91 <211> LENGTH: 7
92 <212> TYPE: PRT
93 <213> ORGANISM: Artificial Sequence
95 <220> FEATURE:
96 <223> OTHER INFORMATION: Artificial Sequence/Unknown
98 <220> FEATURE:
99 <221> NAME/KEY: misc_feature
100 <222> LOCATION: (2)..(2)
101 <223> OTHER INFORMATION: "Ala" = D-isomer
104 <400> SEQUENCE: 4
106 Tyr Ala Phe Gly Tyr Pro Ser
107 1 5
110 <210> SEQ ID NO: 5
111 <211> LENGTH: 5
112 <212> TYPE: PRT
113 <213> ORGANISM: Artificial Sequence
115 <220> FEATURE:
116 <223> OTHER INFORMATION: Artificial Sequence/Unknown
118 <220> FEATURE:
119 <221> NAME/KEY: misc_feature
120 <222> LOCATION: (1)..(1)
121 <223> OTHER INFORMATION: "Tyr" = 2',6'-dimethyltyrosine
124 <400> SEQUENCE: 5
126 Tyr Phe Gly Val Val
127 1 5
130 <210> SEQ ID NO: 6
131 <211> LENGTH: 5
132 <212> TYPE: PRT
133 <213> ORGANISM: Artificial Sequence
135 <220> FEATURE:
136 <223> OTHER INFORMATION: Artificial Sequence/Unknown
138 <220> FEATURE:
139 <221> NAME/KEY: misc_feature
140 <222> LOCATION: (2)..(2)
141 <223> OTHER INFORMATION: "Ala" = D-isomer

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/814,558

DATE: 03/14/2002

TIME: 14:12:03

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\03142002\I814558.raw

144 <400> SEQUENCE: 6
146 Tyr Ala Phe Trp Tyr
147 1 5
150 <210> SEQ ID NO: 7
151 <211> LENGTH: 7
152 <212> TYPE: PRT
153 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <223> OTHER INFORMATION: Artificial Sequence/Unknown
158 <220> FEATURE:
159 <221> NAME/KEY: misc_feature
160 <222> LOCATION: (2)..(2)
161 <223> OTHER INFORMATION: "Ala" = D-isomer
164 <400> SEQUENCE: 7
166 Tyr Ala Phe Trp Tyr Pro Lys
167 1 5
170 <210> SEQ ID NO: 8
171 <211> LENGTH: 5
172 <212> TYPE: PRT
173 <213> ORGANISM: Artificial Sequence
175 <220> FEATURE:
176 <223> OTHER INFORMATION: Artificial Sequence/Unknown
178 <220> FEATURE:
179 <221> NAME/KEY: misc_feature
180 <222> LOCATION: (2)..(2)
181 <223> OTHER INFORMATION: "Cys" = 3,3-dimethyl-o(-)-cysteine
184 <220> FEATURE:
185 <221> NAME/KEY: misc_feature
186 <222> LOCATION: (5)..(5)
187 <223> OTHER INFORMATION: "Cys" = 3,3-dimethyl-o(-)-cysteine
190 <400> SEQUENCE: 8
192 Tyr Cys Gly Phe Cys
193 1 5
196 <210> SEQ ID NO: 9
197 <211> LENGTH: 6
198 <212> TYPE: PRT
199 <213> ORGANISM: Artificial Sequence
201 <220> FEATURE:
202 <223> OTHER INFORMATION: Artificial Sequence/Unknown
204 <220> FEATURE:
205 <221> NAME/KEY: misc_feature
206 <222> LOCATION: (2)..(2)
207 <223> OTHER INFORMATION: The Firt "Met" = D isomer
210 <400> SEQUENCE: 9
212 Tyr Met Phe His Leu Met
213 1 5

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/814,558

DATE: 03/14/2002

TIME: 14:12:04

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\03142002\I814558.raw